

REMARKS

Initially, Applicant would like to thank the Examiner for allowing claims 14-20. Applicant respectfully submits that the remaining claims, claims 1-13 and 21-25, are now likewise in condition for allowance.

Upon entry of the present amendment, claims 1, 5, 9 and 12 will have been amended to recite that the throttling amount is determined based on a measure of computational processing power and a measure of processing capability of the decoder. Likewise, claim 21 will have been amended to recite that the processing performed on the decoded video data prior to displaying a picture is reduced by an amount based on measured computational processing and measured processing capabilities, and claim 24 will have been amended to recite that the number of coefficients inverse quantized and inverse DCT transformed is reduced by an amount based on measured computational processing and measured processing capabilities. Applicants respectfully submit that all pending claims are now in condition for allowance.

In the above-referenced Official Action, the Examiner rejected claims 1, 4, 5, 8 and 21 under 35 U.S.C. § 103(a) as being unpatentable over LIU et al. (U.S. Patent No. 5,680,482) in view of TUCKER et al. (U.S. Patent No. 5,903,313). The Examiner rejected claims 9-13 and 24-25 under 35 U.S.C. § 103(a) as being unpatentable over LIU et al. in view of TUCKER et al. and BOYCE et al. (U.S. Patent No. 5,635,985). The Examiner rejected claims 2, 3, 6, 7, 22 and 23 under 35 U.S.C. § 103(a) as being unpatentable over LIU et al. and TUCKER et al. and

further in view of MALLADI et al. (U.S. Patent No. 5,818,532). Applicant respectfully traverses these rejections, at least for the reasons stated below.

The Examiner relied on LIU et al. as the primary reference in rejecting claims 1-13, as well as newly submitted claims 21-25. However, as previously pointed out in Applicant's Submission under 37 C.F.R. § 1.114, filed November 10, 2004, the Examiner asserted only that LIU et al. teach measuring processing power required to decode a bitstream of video data and measuring a decoder's processing capability. The Examiner admitted that LIU et al. do not disclose controlling computational processing requirements of the decoder based on a throttling amount. Further, LIU et al. do not measure required processing power and decoder processing capability for the purpose of determining a throttling amount. Rather, LIU et al. use these measures merely to allocate buffers. See Fig. 7, steps 372-374; col. 13, lines 55-59.

The Examiner therefore relied on TUCKER et al. to teach reducing computational processing of video data based on a throttling amount. However, the Examiner admitted that TUCKER et al. do not teach throttling based on a measure of computation processing power required to decode at least one bitstream. Also, although LIU et al. discloses measuring processing power, it is only to allocate buffers, not to reduce processing.

Accordingly, no combination of LIU et al. and TUCKER et al. teach or suggest the combinations of features of the invention recited in claims 1, 5, 6, 12, 21 and 24, each of which has been amended to recite that the throttling or processing adjustments are based on both the computational processing power

required to decode at least one bitstream of the video data and the decoder's processing capabilities. See Specification, page 7, lines 1-8.

For at least the reasons stated above, Applicant respectfully submits that independent claims 1, 5, 9, 12, 21 and 24 have been shown to be allowable. With regard to claims 2-4, 6-8, 10-11, 13, 22-23 and 25, Applicant asserts that they are allowable at least because they depend from allowable independent claims 1, 5, 9, 12, 21 and 24, respectively.

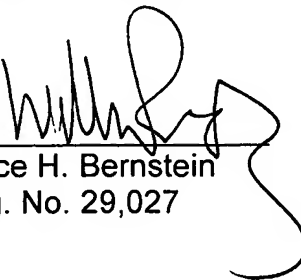
Furthermore, with respect to claims 9-13 and 24-25, the Examiner relied on BOYCE et al. only to teach setting coefficients to different values. Therefore, BOYCE et al. admittedly do not overcome the shortcomings of LIU et al. and TUCKER et al. noted above. With respect to claims 2, 3, 6, 7, 22 and 23, the Examiner relied on MALLADI et al. only to teach limiting a function of at least one post filter or one format conversion filter. Therefore, MALLADI et al. admittedly do not overcome the shortcomings of LIU et al. and TUCKER et al. noted above. Accordingly, withdrawal of the rejections based on any combination including the LIU et al., TUCKER et al., BOYCE et al., and/or MALLADI et al. references is respectfully requested.

In view of the herein contained amendments and remarks, Applicant respectfully requests reconsideration and withdrawal of previously asserted rejections set forth in the Official Action, together with an indication of the allowability of all pending claims, in due course. Such action is respectfully requested and is believed to be appropriate and proper.

Should the Examiner have any questions concerning this Reply or the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,

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